



7	SPINDLE O-RING	1	VITON
6	BONNET O-RING	1	VITON
5	GRUB SCREW	1	STEEL PLATED
4	HANDLE	1	STAINLESS STEEL
3	SPINDLE	1	A479-316/A-105
2	GLAND BODY	1	A479-316/A-105
1	BODY	1	A479-316/A-105
S.NO.	PART NAME	QTY.	MATERIAL

**MATERIAL OF CONSTRUCTION**

**FEATURES:**

316S.S. CONSTRUCTION FOR CORROSION RESISTANCE. EXCELLENT FLOW REGULATION & LEAK TIGHT. SLOW OPENING PREVENT SUDDEN PRESSURE SURGE & INSTRUMENT DAMAGE.

**APPLICATION:**

REFINERIES, LIQUID PETROLIUM GAS PROCESSING PLANT. PETRO CHEMICALS PLANTS. SYSTEMS DIFFICULT TO SHUT OFF DUE TO SOLIDE CONTENTS. DUST,DIRT,RUST ETC.

**TESTING:**

STANDARD TEST:- EACH VALVES IS TESTED WITH NITROGEN AT 1000 PSI FOR SEAT & PACKING LEAKAGE, WITH A MAX. ALLOWABLE LEAK RATE OF 0.1 SEC. / MIN.

HYDRO TEST:- PERFORMED WITH PURE WATER AT 1-1/2 TIMES OF THE WORKING PRESSURE.

OTHER TEST:- LIKE THE VIBRATIONS,TEMPERATURES,HELIUM ETC. ARE AVAILABLE UPON REQUESTS.

**LUBRICATION:**

MOLLY ANTI- SEIZE LUBRICANT.

**NOTE:**

DIMENSIONS ARE FOR REFERENCE ONLY, SUBJECT TO CHANGE.

**TECHNICAL DATA**

ORIFICE	Cv	Pr. Rat.	Temp.Rat.
3.5 mm.	0.31	3000 PSI (20700 kpa)	-20 to 250° F (-29° to 121°C)

TITLE:- NEEDLE VALVE-MINI SERIES  
VITON RING PKG

DRN.		SCALE	N.T.S.
CHD.	<b>DJS</b>	DATE	<b>16/03/2010</b>
APPD.		DRG.NO.	PINV-H-S-4-V-MINI

**PIONEER INDUSTRIES**  
ISO 9001 - 2008